


GODDARD SPACE FLIGHT CENTER		TASK ORDER (Instructions and Distribution on Reverse)		PAGE 1 OF 1
1. CONTRACTOR: SSAI		2. CONTRACT NO.: NNG12HP08C		3. TASK/REVISION NO.: Task Order #053
4. JOB ORDER NO./PROJECT:		5. FLIGHT HARDWARE /SOFTWARE; CRITICAL GSA (IF, YES, OBTAIN BLOCK 16 CONCURRENCE): YES X NO		6. DESIGNATED FLIGHT ASSURANCE MGR.:
7. DESCRIPTION OF WORK TO BE PERFORMED (OBJECTIVES OR RESULTS DESIRED): Cloud Remote Sensing and Sun-Climate Research				
8. TASK DOCUMENTATION REQUIREMENTS/DELIVERABLE ITEMS: (See Attached Task Order)				
9. PERFORMANCE/MILESTONE SCHEDULE: May 1, 2015 – April 30, 2016				
10. QUALITY ASSURANCE REQUIREMENTS: N/A				
11. TRAVEL, MATERIALS, ETC., KNOWN TO BE REQUIRED: (See Attached Task Order)				
12. OTHER (FUNDING, NTE, HOURS, ETC.): Total Cost: Fee: Total Price: \$115,501				
13. TASK ORIGINATOR/MONITOR/CODE/PHONE: Dong Wu/613.0/4-5784			18. THIS TASK ORDER IS ISSUED PURSUANT TO THE TERMS OF THE CONTRACT.  5/18/15 CONTRACTING OFFICER'S SIGNATURE/ DATE Ayana A. Briscoe Ayana A. Briscoe Contracting Officer TYPED OR PRINTED NAME	
14. BRANCH APPROVAL:	15. DIVISION CONCURRENCE:			
16. CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE: Joel Susskind				
17. CONTRACTOR SIGNATURE:				

Science Systems and Applications, Inc.
NNG12HP08C
Task Order Statement of Work

Task Order Number: CY4_053_Rev0

Task Order Title: Cloud Remote Sensing and Sun-Climate Research

1.0 Task Monitor (TM):

Name: Dong Wu
Organization: 613: Climate and Radiation Laboratory
Email Address: dong.l.wu@nasa.gov

2.0 Description of Work to be Performed

In this task, the Contractors shall use multiple available satellite sources to conduct analyses of cloud and radiance data to support research in cloud remote sensing and Sun-climate sciences. The task is divided to two subtasks with focus areas on cloud remote sensing and Sun-climate studies, respectively.

Subtask 1: To support cloud and radiation remote sensing research using different techniques from space including CubeSat, MISR, CALIPSO, MODIS, MLS, GPS, AIRS and AMSU.

The Contractors shall

- Evaluate CALIPSO, AIRS, MISR and AMSU cloud products and support science investigations;
- Develop softwares and analysis tools to support the IceCube and RAVAN CubeSat projects;
- Develop softwares and analysis tools to support MISR cloud motion vector analyses;
- Support retrieval algorithm development and science analysis with GPS radio occultation (RO) measurements.

Subtask 2: To support Sun-Climate research with analyses of SORCE, TCTE, TSIS, OMI, SBUV and other solar irradiance data.

The Contractors shall

- Evaluate uncertainties of SORCE/TCTE solar total and spectral irradiance measurements using the analysis methods and data sources that are independent of the SORCE/TCTE team;
- Conduct scientific investigations to better understand solar irradiance variabilities and their impacts on Earth's climate;

- Publish scientific findings on the above evaluation and investigations;
- Participate the SORCE/TCTE/TSIS science team meeting.

3.0 Special Requirements

None

4.0 Performance/Milestone Schedule

The SAS Contract Year 4 POP is May 01, 2015 - April 30, 2016

5.0 Deliverables/Reporting Requirements

Subtask 1:

- Contributions to scientific publications, workshops/conferences/symposia, both oral presentations and written contributions;
- Weekly tagup meetings;
- Software and hardware documentation.

Subtask 2:

- Quarterly and annual reports.
- Reports documenting participation in conferences, workshops, symposia, working groups and f

6.0 Other Information Needed for Performance of Task

Travel may be required for subtask#2 to attend project workshops, scientific meetings or to support field campaigns. This may require domestic or foreign travel, which will be determined on a case by case basis.

7.0 Data Rights

N/A

8.0 Safety

Staff on this task shall comply with federal, state, local, and center safety regulations. This shall be accomplished through management emphasis, technical training, and personal responsibility. Staff shall participate in safety orientation and training in accordance with the contract Safety and Health Plan, and work within the requirements of that plan.

9.0 Risk

Contractor shall provide ongoing risk assessment and mitigation in performance of the Task Order. Priorities shall be re-evaluated as appropriate with the TM. Cost and schedule performance shall be assessed on a regular basis (no less frequently than monthly) and significant variations discussed and acted on in consultation with the TM and COR.

10.0 Proposed Cost and Fixed Fee

In accordance with Paragraph B.8 of the contract, propose the Cost and Fixed Fee amount.